RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/276,484B
Source: IFW16
Date Processed by STIC: 11/23/04

ENTERED

IFW16

RAW SEQUENCE LISTING DATE: 11/23/2004
PATENT APPLICATION: US/09/276,484B TIME: 14:58:44

Input Set : D:\465c1.app.txt
Output Set: N:\CRF4\11222004\I276484B.raw

<110> APPLICANT: Gaiger, Alexander
Cheever, Martin A.
<120> TITLE OF INVENTION: COMPOSITONS AND METHODS FOR WT1 SPECIFIC IMMUNOTHERAPY
<130> FILE REFERENCE: 210121.465C1
<140> CURRENT APPLICATION NUMBER: US 09/276,484B
<141> CURRENT FILING DATE: 1999-03-25
<150> PRIOR APPLICATION NUMBER: US 09/164,223
<151> PRIOR FILING DATE: 1998-09-30
<160> NUMBER OF SEQ ID NOS: 326
<170> SOFTWARE: FastSEQ for Windows Version 4.0
<210> SEQ ID NO: 1
<211> LENGTH: 17
<212> TYPE: PRT
<213> ORGANISM: Homo sapien
<400> SEQUENCE: 1
Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Pro Ser Leu Gly Gly Gly
1 5 10 15
Gly
<210> SEQ ID NO: 2
<211> LENGTH: 23
<212> TYPE: PRT
<213> ORGANISM: Homo sapien
<400> SEQUENCE: 2
Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe Pro Asn Ala Pro
1 5 10 15
Tyr Leu Pro Ser Cys Leu Glu
20
<210> SEQ ID NO: 3
<211> LENGTH: 23
<212> TYPE: PRT
<213> ORGANISM: Mus musculus
<400> SEQUENCE: 3
Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe Pro Asn Ala Pro
1 5 10 15
Tyr Leu Pro Ser Cys Leu Glu
20
<210> SEQ ID NO: 4
<211> LENGTH: 19
<212> TYPE: PRT
<213> ORGANISM: Homo sapien
<400> SEQUENCE: 4
Gly Ala Thr Leu Lys Gly Val Ala Ala Gly Ser Ser Ser Ser Val Lys

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Input Set : D:\465c1.app.txt
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62 1 5 10 15
63 Trp Thr Glu
66 <210> SEQ ID NO: 5
67 <211> LENGTH: 22
68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Primer for use in amplifying human WT1
74 <400> SEQUENCE: 5
75 gagagtcaga cttgaaagca gt 22
77 <210> SEQ ID NO: 6
78 <211> LENGTH: 20
79 <212> TYPE: DNA
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Primer for use in amplifying human WT1
85 <400> SEQUENCE: 6
86 ctgagcctca gcaaatgggc 20
88 <210> SEQ ID NO: 7
89 <211> LENGTH: 27
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Primer for use in amplifying human WT1
96 <400> SEQUENCE: 7
97 gagcatgcat gggctccgac gtgcggg 27
99 <210> SEQ ID NO: 8
100 <211> LENGTH: 25
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Primer for use in amplifying human WT1
107 <400> SEQUENCE: 8
108 ggggtaccca ctgaacggtc cccga 25
110 <210> SEQ ID NO: 9
111 <211> LENGTH: 18
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Primer for use in amplifying mouse WT1
118 <400> SEQUENCE: 9
119 tccgagccgc acctcatg 18
121 <210> SEQ ID NO: 10
122 <211> LENGTH: 18
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Primer for use in amplifying mouse WT1
129 <400> SEQUENCE: 10

RAW SEQUENCE LISTING DATE: 11/23/2004
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Input Set : D:\465c1.app.txt
Output Set: N:\CRF4\11222004\I276484B.raw

130 gcctgggatg ctggactg 18
132 <210> SEQ ID NO: 11
133 <211> LENGTH: 27
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Primer for use in amplifying mouse WT1
140 <400> SEQUENCE: 11
141 gagcatgcga tgggttccga cgtgcgg 27
143 <210> SEQ ID NO: 12
144 <211> LENGTH: 29
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Primer for use in amplifying mouse WT1
151 <400> SEQUENCE: 12
152 ggggtacctc aaagcgccac gtggagttt 29
154 <210> SEQ ID NO: 13
155 <211> LENGTH: 17
156 <212> TYPE: PRT
157 <213> ORGANISM: Mus musculus
159 <400> SEQUENCE: 13
160 Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Ser Ser Leu Gly Gly Gly
161 1 5 10 15
162 Gly
165 <210> SEQ ID NO: 14
166 <211> LENGTH: 19
167 <212> TYPE: PRT
168 <213> ORGANISM: Mus musculus
170 <400> SEQUENCE: 14
171 Gly Ala Thr Leu Lys Gly Met Ala Ala Gly Ser Ser Ser Ser Val Lys
172 1 5 10 15
173 Trp Thr Glu
176 <210> SEQ ID NO: 15
177 <211> LENGTH: 15
178 <212> TYPE: PRT
179 <213> ORGANISM: Homo sapien
181 <400> SEQUENCE: 15
182 Arg Ile His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg
183 1 5 10 15
185 <210> SEQ ID NO: 16
186 <211> LENGTH: 15
187 <212> TYPE: PRT
188 <213> ORGANISM: Mus musculus
190 <400> SEQUENCE: 16
191 Arg Ile His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg
192 1 5 10 15
194 <210> SEQ ID NO: 17
195 <211> LENGTH: 14

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Input Set : D:\465c1.app.txt
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196 <212> TYPE: PRT
197 <213> ORGANISM: Mus musculus
199 <400> SEQUENCE: 17
200 Val Arg Arg Val Ser Gly Val Ala Pro Thr Leu Val Arg Ser
201 1 5 10
203 <210> SEQ ID NO: 18
204 <211> LENGTH: 14
205 <212> TYPE: PRT
206 <213> ORGANISM: Homo sapien
208 <400> SEQUENCE: 18
209 Val Arg Arg Val Pro Gly Val Ala Pro Thr Leu Val Arg Ser
210 1 5 10
212 <210> SEQ ID NO: 19
213 <211> LENGTH: 15
214 <212> TYPE: PRT
215 <213> ORGANISM: Homo sapien
217 <400> SEQUENCE: 19
218 Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val Arg His His
219 1 5 10 15
221 <210> SEQ ID NO: 20
222 <211> LENGTH: 15
223 <212> TYPE: PRT
224 <213> ORGANISM: Mus musculus
226 <400> SEQUENCE: 20
227 Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val Arg His His
228 1 5 10 15
230 <210> SEQ ID NO: 21
231 <211> LENGTH: 21
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: sense primer for amplification of
237 WT1 in mouse cell lines
239 <400> SEQUENCE: 21
240 cccaggctgc aataagagat a 21
242 <210> SEQ ID NO: 22
243 <211> LENGTH: 21
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: antisense primer for amplification
249 of WT1 in mouse cell lines
251 <400> SEQUENCE: 22
252 atgttgtgat ggcggaccaa t 21
254 <210> SEQ ID NO: 23
255 <211> LENGTH: 20
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:

RAW SEQUENCE LISTING DATE: 11/23/2004
PATENT APPLICATION: US/09/276,484B TIME: 14:58:44

Input Set : D:\465c1.app.txt
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<223> OTHER INFORMATION: sense Beta Actin primer used
in the control reactions
<400> SEQUENCE: 23
gtggggcgcc ccaggcacca 20
<210> SEQ ID NO: 24
<211> LENGTH: 24
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: antisense Beta Actin primer used
in the control reactions
<400> SEQUENCE: 24
gtccttaatg ctacgcacga tttc 24
<210> SEQ ID NO: 25
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer for use in amplifying human WT1
<400> SEQUENCE: 25
ggcatctgag accagtgaga a 21
<210> SEQ ID NO: 26
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer for use in nested RT-PCR
<400> SEQUENCE: 26
gctgtcccac ttacagatgc a 21
<210> SEQ ID NO: 27
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer for use in nested RT-PCR
<400> SEQUENCE: 27
tcaaagcgcc agctggagtt t 21
<210> SEQ ID NO: 28
<211> LENGTH: 9
<212> TYPE: PRT
<213> ORGANISM: Homo sapien
<400> SEQUENCE: 28
Ala Ala Gly Ser Ser Ser Ser Val Lys
1 5
<210> SEQ ID NO: 29
<211> LENGTH: 9
<212> TYPE: PRT
<213> ORGANISM: Homo sapien
<400> SEQUENCE: 29

VERIFICATION SUMMARY DATE: 11/23/2004
PATENT APPLICATION: US/09/276,484B TIME: 14:58:45

Input Set : D:\465c1.app.txt
Output Set: N:\CRF4\11222004\I276484B.raw